Table of contents

Editorial 1

Reviews

Bodo, B.A.; Thompson, M.E.; Unny, T.E.: Stochastic differential equations for applications in hydrology 81

Cushman, J.H.: Development of stochastic partial differential equations for subsurface hydrology 241

Thompson, M.E.: see Bodo, B.A. 81

Unny, T.E.: see Bodo, B.A. 81

Yevjevich, V.: Stochastic models in hydrology 17

Originals

Ambrus, S.Z.: see Rothenburg, L. 209

Arora, K.: see Fiorentino, M. 199

Bensoussan, A.: On a general class of stochastic partial differential equations 297

Bonser, J.D.; Wong, A.K.C.: A feature based method for tracking mesoscale rainfall areas in radar images 185

Camacho, F.; McLeod, A.I.; Hipel, K.W.: Multivariate contemporaneous ARMA models with hydrological applications 141

Chiu, D.K.Y.; Wong, A.K.C.: Pattern analysis on mixed-mode hydrometric data 67

Dawood, A.M.; Julien, P.Y.: On predicting upland erosion losses from rainfall depth. Part 2: field applications in Iraq 135

Dawood, A.M.: see Julien, P.Y. 127

Etoh, T.; Nakanishi, M.: An extended theory of equi-risk line for a general release rule 117

Fiorentino, M.; Arora, K.; Singh, V.P.: The two component extreme value distribution for flood frequency analysis: Derivation of a new estimation method 199

Frind, E.O.; Sudicky, E.A.; Shellenberg, S.L.: Micro-scale modelling in the study of plume evolution in heterogeneous media 263

Gani, J.; Todorovich, P.: Transport and sedimentation of particles in a fluid flow 209

Hipel, K.W.: see Camacho, F. 141

Julien, P.Y.; Dawood, A.M.: On predicting upland erosion losses from rainfall depth. Part 1: probabilistic approach 127

Julien, P.Y.: see Dawood, A.M. 135

Karlsson, M.; Yakowitz, S.: Rainfall-runoff forecasting methods, old and new 303

Kavvas, M.L.; Saquib, M.N.; Puri, P.S.: On a stochastic description of the time-space behaviour of extratropical cyclonic precipitation fields 37

Kitanidis, P.K.: A first order approximation to stochastic optimal control of reservoirs 169

Koch, R.: see Mtundu, N.D. 101

Lloyd, E.H.; Warren, D.: The discrete Hurst range for skew independent two-valued inflows 53

Loaiciga, H.A.; Marino, M.A.: The inverse problem and groundwater management 161

Marino, M.A.: see Loaiciga, H.A. 161

Matyas, E.L.: see Rothenburg, L. 209

McLeod, A.I.: see Camacho, F. 141

Mtundu, N.D.; Koch, R.: A stochastic differential equation approach to soil moisture 101

Nakanishi, M.: see Etoh, T. 117

Phatarfod, R.M.: A linearly regressive Gamma Markov model 155

Puri, P.S.: see Kavvas, M.L. 37

Rosbjerg, D.: On the annual maximum distribution in dependent partial duration series 3

Rothenburg, L.; Matyas, E.L.; Ambrus, S.Z.: Statistical aspects of flow in a random network o channels 217

Saquib, M.N.: see Kavvas, M.L. 37

Serrano, S.E.; Unny, T.E.: Semigroup solutions to stochastic unsteady groundwater flow subject t random parameters 281

Shellenberg, S.L.: see Frind, E.O. 263

Singh, V.P.: see Fiorentino, M. 199

Sudicky, E.A.: see Frind, E.O. 263

Todorovich, P.: see Gani, J. 209

Unny, T.E.: see Serrano, S.E. 281

Warren, D.: see Lloyd, E.H. 53

Wong, A.K.C.: see Chiu, D.K.Y. 67

Wong, A.K.C.: see Bonser, J.D. 185

Yakowitz, S: see Karlsson, M. 303

Announcements 280